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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,610	10/31/2003	Bily Wang	Harvatek 9240	9400
7:	590 09/07/2004		EXAMINER	
HungChang LIN 8 Schindler Ct.			HO, TU TU V	
Silver Spring,	MD 20903		ART UNIT	PAPER NUMBER
			2818	
		DATE MAILED: 09/07/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

				200		
		Application No.	Applicant(s)			
Office Action Summary		10/697,610	WANG ET AL.			
		Examiner	Art Unit			
		Tu-Tu Ho	2818			
Period fo	The MAILING DATE of this communication apports.	pears on the cover sheet with the	correspondence address			
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a repl or period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailine de patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be till by within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communi ED (35 U.S.C. § 133).	ication.		
Status						
1)[X]	Responsive to communication(s) filed on 31 C	October 2003.				
·		s action is non-final.				
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5) 6) 7)	Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or					
Applicat	ion Papers					
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>31 October 2003</u> is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The specific and the spe	e: a) accepted or b) objected or by objected drawing(s) be held in abeyance. Settion is required if the drawing(s) is old	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.1			
Priority	under 35 U.S.C. § 119					
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been receiv uu (PCT Rule 17.2(a)).	tion No ved in this National Stag	e		
2) Notice 3) Infor	at(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:				

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DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

a. Typographical error in Claim 1, line 6:

"serving as said one terminal and said second terminal respectively", which should be:

"said far ends serving as terminals for the IC package"

b. Typographical error in Claim 7:

"coupling is by flip-chip", which should be:

"coupling is by flip-chip technology"

Allowable Subject Matter

2. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or render obvious an IC package with all limitations as recited in claim 1, comprising a first section and a second section of a common stacked metal substrate with an upper layer and a lower layer, an IC chip having two electrodes each coupled to each of the two sections respectively, a glue to hold the two sections together so as to leave the far ends of the two sections uncovered, the far ends serving as terminals for the IC package, characterized in that the common stacked metal substrate is metal.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

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Conclusion

3. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Copies of the references are not being furnished with this Office Action per MPEP § 707.05(a).

U.S. Patent 6,770,498 to Hsu discloses a process for fabricating light emitting diode (LED) packages from a plate-like frame having a plurality of cells.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

August 26, 2004

David Neims

Supervisory Patent Examiner Technology Center 2800